

SCECAP 2001-2002
Water, sediment, and biological cut points

| Parameter | Criteria | Percent of Tidal Creek Habitat | | | Percent of Open Water Habitat | | | |
|---|---------------|--------------------------------|---------|----------|-------------------------------|---------|----------|--|
| | | Lower CL | Percent | Upper CL | Lower CL | Percent | Upper CL | |
| WATER QUALITY | | | | | | | | |
| Salinity ppt (25 Hr mean - bottom) | ≤ 5 | -- | 0 | -- | -- | 0 | -- | |
| | ≤ 18 | 3 | 11 | 19 | 0 | 7 | 14 | |
| | ≤ 30 | 15 | 27 | 39 | 25 | 37 | 49 | |
| | > 30 | -- | 73 | -- | -- | 63 | -- | |
| Dissolved Oxygen (DO) mg/l (25 Hr mean - bottom) | < 3 | 1 | 9 | 17 | -- | 3 | 7 | |
| | < 4 | 11 | 22 | 33 | 3 | 11 | 19 | |
| | < 5 | 49 | 62 | 75 | 25 | 37 | 50 | |
| | ≥ 5 | -- | 38 | -- | -- | 63 | -- | |
| Dissolved Oxygen (DO) mg/l (Instantaneous - bottom) | < 3 | 1 | 9 | 16 | -- | 3 | 7 | |
| | < 4 | 25 | 38 | 51 | 5 | 13 | 22 | |
| | < 5 | 65 | 76 | 87 | 42 | 55 | 67 | |
| | ≥ 5 | -- | 24 | -- | -- | 45 | -- | |
| Dissolved Oxygen (DO) mg/l (Instantaneous - surface) | < 3 | 1 | 9 | 17 | -- | 0 | -- | |
| | < 4 | 20 | 33 | 45 | 1 | 8 | 15 | |
| | < 5 | 51 | 63 | 76 | 37 | 49 | 62 | |
| | ≥ 5 | -- | 37 | -- | -- | 51 | -- | |
| pH (polyhaline stations only) (25 Hr mean - bottom) | < 7.1 | -- | 4 | -- | -- | 0 | -- | |
| | > 7.1 & < 7.4 | -- | 14 | -- | -- | 9 | -- | |
| Percentage of polyhaline stations | > 7.4 | -- | 82 | -- | -- | 91 | -- | |
| **values corrected 11/28/2006 | | | | | | | | |
| Total Kjeldahl Nitrogen (TKN) mg/l | ≤ 0.81 | 84 | 92 | 100 | 86 | 93 | 100 | |
| | ≤ 1.06 | 74 | 98 | 100 | 36 | 99 | 100 | |
| | > 1.06 | -- | 2 | -- | -- | 1 | -- | |
| Nitrate / Nitrite mg/l | ≤ 0.14 | 64 | 98 | 100 | 77 | 87 | 96 | |
| | ≤ 0.23 | -- | 2 | -- | 90 | 96 | 100 | |
| | > 0.23 | -- | 0 | -- | -- | 4 | -- | |
| Total Nitrogen (TN) (TKN + NOx - mg/l) | ≤ 0.95 | 90 | 96 | 100 | 91 | 96 | 100 | |
| | ≤ 1.29 | 98 | 99 | 100 | 100 | 100 | 100 | |
| | > 1.29 | -- | 1 | -- | -- | 0 | -- | |

| Parameter | Criteria | Percent of Tidal Creek Habitat | | | Percent of Open Water Habitat | | |
|--|----------|--------------------------------|------------|----------|-------------------------------|------------|----------|
| | | Lower CL | Percent | Upper CL | Lower CL | Percent | Upper CL |
| Total Dissolved Nitrogen (TDN) mg/l | < 0.1 | -- | 0 | -- | -- | 0 | -- |
| | < 1.0 | 86 | 93 | 100 | -- | 100 | -- |
| | ≥ 1.0 | -- | 7 | -- | -- | 0 | -- |
| Dissolved Inorganic Nitrogen (DIN) mg/l | < 0.1 | 48 | 61 | 74 | 47 | 60 | 72 |
| | ≤ 0.5 | -- | 100 | -- | 95 | 98 | 100 |
| | > 0.5 | -- | 0 | -- | -- | 2 | -- |
| Ammonia Nitrogen mg/l | ≤ 0.28 | 65 | 78 | 90 | 67 | 80 | 92 |
| | ≤ 0.48 | 76 | 86 | 97 | 77 | 87 | 97 |
| | ≤ 0.60 | 82 | 91 | 99 | 83 | 92 | 100 |
| | > 0.60 | -- | 9 | -- | -- | 8 | -- |
| Total Phosphorus (TP) mg/l | ≤ 0.09 | 70 | 80 | 91 | 78 | 87 | 95 |
| | ≤ 0.17 | 89 | 95 | 100 | 99 | 99 | 100 |
| | > 0.17 | -- | 5 | -- | -- | 1 | -- |
| Total Dissolved Phosphorus (TDP) mg/l | < 0.01 | 3 | 12 | 21 | 2 | 10 | 18 |
| | < 0.10 | 90 | 95 | 100 | -- | 90 | -- |
| | ≥ 0.10 | -- | 5 | -- | -- | 0 | -- |
| Dissolved Inorganic Phosphorus (DIP) mg/l | < 0.01 | 4 | 13 | 21 | 0 | 7 | 14 |
| | ≤ 0.05 | 80 | 88 | 97 | 89 | 94 | 100 |
| | ≥ 0.05 | -- | 12 | -- | -- | 6 | -- |
| Biochemical Oxygen Demand (BOD₅) mg/l | ≤ 1.8 | 69 | 80 | 91 | 78 | 87 | 95 |
| | ≤ 2.6 | 86 | 93 | 100 | 95 | 98 | 100 |
| | > 2.6 | -- | 7 | -- | -- | 2 | -- |
| Total Organic Carbon (TOC) mg/l | ≤ 11 | 93 | 97 | 100 | 89 | 95 | 100 |
| | ≤ 16 | -- | 100 | -- | -- | 100 | -- |
| | > 16 | -- | 0 | -- | -- | 0 | -- |
| Fecal Coliform colonies / 100ml | ≤ 43 | 80 | 88 | 97 | 87 | 94 | 100 |
| | ≤ 400 | 47 | 99 | 100 | 0 | 100 | -- |
| | > 400 | -- | 1 | -- | -- | 0 | -- |

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|------------------------------------|----------|--------------------------------|------------|----------|-------------------------------|------------|----------|--|
| | | Lower CL | Percent | Upper CL | Lower CL | Percent | Upper CL | |
| Alkalinity mg/l | ≤ 98 | 7 | 17 | 27 | 16 | 27 | 39 | |
| | ≤ 110 | 38 | 51 | 64 | 76 | 85 | 94 | |
| | ≤ 114 | 47 | 59 | 71 | 86 | 91 | 96 | |
| | ≤ 125 | 90 | 95 | 100 | -- | 100 | -- | |
| | > 125 | -- | 5 | -- | -- | 0 | -- | |
| Turbidity NTU | ≤ 15 | 36 | 50 | 64 | 65 | 76 | 87 | |
| | ≤ 25 | 70 | 81 | 92 | 81 | 89 | 97 | |
| | > 25 | -- | 19 | -- | -- | 11 | -- | |
| WQ Score (with nutr) continuous | ≤ 1 | 0 | 5 | 11 | -- | 0 | -- | |
| | ≤ 3 | 11 | 22 | 33 | 3 | 12 | 18 | |
| | > 3 | 61 | 73 | 85 | 80 | 88 | 96 | |
| SEDIMENT QUALITY | | | | | | | | |
| Sediment Composition % Sand | < 20 | 5 | 14 | 23 | 0 | 6 | 13 | |
| | ≤ 80 | 34 | 47 | 60 | 21 | 33 | 46 | |
| | > 80 | -- | 53 | -- | -- | 67 | -- | |
| Total Organic Carbon (TOC) % | ≤ .05 | -- | 0 | -- | 0 | 6 | 12 | |
| | ≤ 3 | 75 | 85 | 94 | 84 | 91 | 98 | |
| | > 3 | -- | 15 | -- | -- | 9 | -- | |
| Porewater Ammonia (TAN) mg/l | ≤ 14 | 95 | 98 | 100 | 95 | 98 | 100 | |
| | ≤ 30 | -- | 100 | -- | -- | 100 | -- | |
| | > 30 | -- | 0 | -- | -- | 0 | -- | |
| Contaminants ERM-Q | ≤ 0.020 | 65 | 76 | 87 | 71 | 81 | 91 | |
| | ≤ 0.058 | -- | 100 | -- | 93 | 97 | 100 | |
| | > 0.058 | -- | 0 | -- | -- | 3 | -- | |
| Toxicity | None | 8 | 18 | 28 | 8 | 18 | 28 | |
| | 1 of 3 | 41 | 55 | 68 | 23 | 35 | 47 | |
| | ≥ 2 of 3 | 15 | 27 | 39 | 34 | 47 | 59 | |
| Integrated Sediment Score | ≤ 1 | -- | 0 | -- | 0 | 2 | 5 | |
| | ≤ 3 | 27 | 40 | 53 | 17 | 30 | 40 | |
| | > 3 | 47 | 60 | 73 | 58 | 70 | 82 | |

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|---|----------|--------------------------------|-----------|----------|-------------------------------|-----------|----------|
| | | Lower CL | Percent | Upper CL | Lower CL | Percent | Upper CL |
| BIOLOGY | | | | | | | |
| Chlorophyll A µg/l | ≤ 12 | 59 | 71 | 83 | 78 | 87 | 95 |
| | ≤ 20 | 96 | 99 | 100 | 86 | 93 | 99 |
| | > 20 | -- | 1 | -- | -- | 7 | -- |
| Benthic-IBI | ≤ 1.5 | 0 | 4 | 9 | 0 | 3 | 8 |
| | ≤ 2.5 | 19 | 31 | 43 | 7 | 17 | 26 |
| | > 2.5 | -- | 69 | -- | -- | 83 | -- |
| Overall Integrated Measure Habitat Quality Score | ≤ 2.3 | -- | 0 | -- | 0 | 2 | 6 |
| | ≤ 3.7 | 12 | 24 | 35 | 7 | 17 | 26 |
| | > 3.7 | -- | 76 | -- | -- | 81 | -- |